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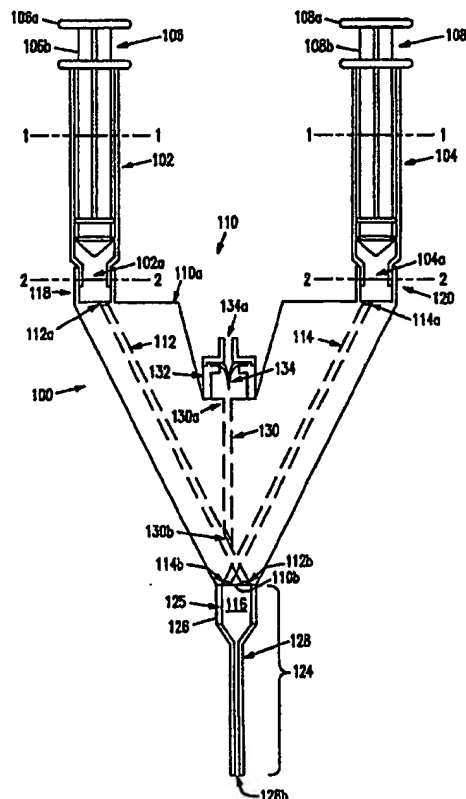
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>6</sup> : <b>A61B 17/00, B05C 17/005</b>		A3	(11) International Publication Number: <b>WO 96/39212</b>
			(43) International Publication Date: 12 December 1996 (12.12.96)
(21) International Application Number: PCT/US96/08291 (22) International Filing Date: 5 June 1996 (05.06.96) (30) Priority Data: 472,941                      6 June 1995 (06.06.95)                      US (71) Applicant: QUANTIC BIOMEDICAL PARTNERS [US/US]; 739 Lakeview Way, Redwood City, CA 94062 (US). (72) Inventor: HOOD, Andrew, G., III; 739 Lakeview Way, Redwood City, CA 94062 (US). (74) Agents: HALIDAY, Emily, M. et al.; Skjerven, Morrill, MacPherson, Franklin & Friel, Suite 700, 25 Metro Drive, San Jose, CA 95110 (US).			(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>  (88) Date of publication of the international search report: 6 February 1997 (06.02.97)

(54) Title: WOUND SEALANT PREPARATION AND APPLICATION DEVICE AND METHOD

(57) Abstract

The present invention provides a preparation and application device useful for mixing and dispensing a plurality of fluids, wherein the fluids must be mixed immediately prior to use. In one embodiment, the device includes two fluid delivery systems connected to a manifold having two separate fluid channels. Each fluid channel conducts fluid to a mixing chamber, from which, following mixing, the mixture of fluids is dispensed. The manifold additionally includes a gas channel having an outlet connected to one of the fluid channels, which can be used to supply a pressurized gas to the mixing chamber to expel the mixture from the chamber, reducing the likelihood that the mixture can clog the device. The invention also provides a method for preparing and dispensing a mixture of two fluids.



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# INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 96/08291

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 A61B17/00 B05C17/005

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 A61B B05C B01F A61M B65D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US,A,4 631 055 (REDL ET AL.) 23 December 1986 cited in the application see column 3, line 21 - line 26 see figures 1-3 ---	1,14
A	US,A,3 556 348 (BRISTOW) 19 January 1971 see column 2, line 15 - line 17 see figures 2,3 ---	1,14
A	US,A,4 083 474 (WAITE ET AL.) 11 April 1978 see column 5, line 7 - line 10 see figure 1 --- -/--	1,14



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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Date of the actual completion of the international search

18 December 1996

Date of mailing of the international search report

27. 12. 96

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Inter nal Application No

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	FR,A,2 558 209 (HILTI AKTIENGESELLSCHAFT) 19 July 1985 see page 5, line 21 - page 6, line 4 see figure 1 ---	1,14,15
A	FR,A,2 661 097 (FONDATION NATIONALE DE TRANSFUSION SANGUINE) 25 October 1991 see figures 1-3 -----	1,10-12

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information on patent family members

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